Patent Claims

1. FMDV vaccine ~~based on~~ comprising peptides with a sequence of at least 8 amino acids which corresponds to a part-sequence from the non-structural protein region of FMDV, which has been selected through immunoreactivity with FMDV-specific antibodies or through immunoreactivity with FMDV-specific T lymphocytes.

2. FMDV vaccine according to Claim 1, characterized in that the peptides consist of 8 to 35 amino acids.

3. FMDV vaccine according to Claim 1, characterized in that the peptides consist of 8 to 15 amino acids.

4. FMDV vaccine according to any of Claims 1 ~~to 3, characterized in~~ wherein that the peptides correspond to parts of regions on the genome of the FMDV which code for the proteins L/L', 2B, 2C, 3A, 3B, 3D.

5. FMDV vaccine according to Claim 4, ~~characterized in that~~ wherein the peptides correspond to parts of regions on the genome of the FMDV which code for the proteins 2B, 2C, 3A, 3B.

~~6. Peptides as defined in any of Claims 1 to 5.~~ of Claim 1

7. Peptides according to Claim 6, which are modified by coupling to carrier proteins or inactivated viruses.

8. DNA sequences which code for peptides according to Claim 6 ~~or 7.~~

9. Use of the FMDV vaccine according to Claim 4 for immunizing pigs.

10. Use of the FMDV vaccine according to Claim 5 for immunizing cattle.

11. Use of peptides according to Claim 6 or 7 in detection systems for detecting FMDV-infected animals, for differentiating vaccinated and infected animals or for immunizing animals against FMDV infections.

12. Use of peptides according to Claim 6 or 7 for producing detection systems for detecting FMDV-infected animals, for differentiating vaccinated and infected animals or for producing vaccines for immunizing animals against FMDV infections.

ADD A1
ADD A2
ADD A3